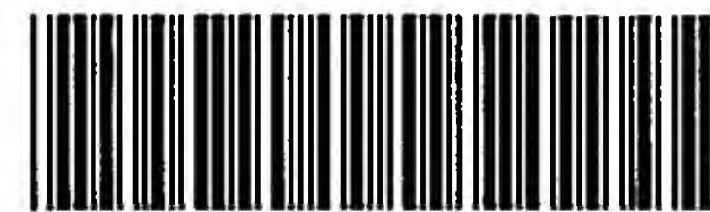


RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/594,791
Source: 1 FWP
Date Processed by STIC: 10/6/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 10/06/2006

PATENT APPLICATION: US/10/594,791

TIME: 11:01:27

Input Set : F:\837158_1.TXT

Output Set: N:\CRF4\10062006\J594791.raw

3 <110> APPLICANT: The Nottingham Trent University
 5 <120> TITLE OF INVENTION: T128 Testes Antigen
 7 <130> FILE REFERENCE: P710579PCT
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/594,791
 C--> 9 <141> CURRENT FILING DATE: 2006-09-29
 9 <150> PRIOR APPLICATION NUMBER: GB0407587.5
 10 <151> PRIOR FILING DATE: 2004-04-02
 12 <160> NUMBER OF SEQ ID NOS: 9
 14 <170> SOFTWARE: PatentIn version 3.3
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 349
 18 <212> TYPE: PRT
 19 <213> ORGANISM: Homo sapiens
 21 <400> SEQUENCE: 1
 23 Met Thr Ile Gly Glu Met Leu Arg Ser Phe Leu Thr Lys Leu Glu Trp
 24 1 5 10 15
 27 Phe Ser Thr Leu Phe Pro Arg Ile Pro Val Pro Val Gln Lys Asn Ile
 28 20 25 30
 31 Asp Gln Gln Ile Lys Thr Arg Pro Arg Lys Ile Lys Lys Asp Gly Lys
 32 35 40 45
 35 Glu Gly Ala Glu Glu Ile Asp Arg His Val Glu Arg Arg Arg Ser Arg
 36 50 55 60
 39 Ser Pro Arg Arg Ser Leu Ser Pro Arg Arg Ser Pro Arg Arg Ser Arg
 40 65 70 75 80
 43 Ser Arg Ser His His Arg Glu Gly His Gly Ser Ser Ser Phe Asp Arg
 44 85 90 95
 47 Glu Leu Glu Arg Glu Lys Glu Arg Gln Arg Leu Glu Arg Glu Ala Lys
 48 100 105 110
 51 Glu Arg Glu Lys Glu Arg Arg Arg Ser Arg Ser Ile Asp Arg Gly Leu
 52 115 120 125
 55 Glu Arg Arg Arg Ser Arg Ser Arg Glu Arg His Arg Ser Arg Ser Arg
 56 130 135 140
 59 Ser Arg Asp Arg Lys Gly Asp Arg Arg Asp Arg Asp Arg Glu Arg Glu
 60 145 150 155 160
 63 Lys Glu Asn Glu Arg Gly Arg Arg Arg Asp Arg Asp Tyr Asp Lys Glu
 64 165 170 175
 67 Arg Gly Asn Glu Arg Glu Lys Glu Arg Glu Arg Ser Arg Glu Arg Ser
 68 180 185 190
 71 Lys Glu Gln Arg Ser Arg Gly Glu Val Glu Glu Lys Lys His Lys Glu
 72 195 200 205
 75 Asp Lys Asp Asp Arg Arg His Arg Asp Asp Lys Arg Asp Ser Lys Lys
 76 210 215 220
 79 Glu Lys Lys His Ser Arg Ser Arg Ser Arg Glu Arg Lys His Arg Ser

RAW SEQUENCE LISTING

DATE: 10/06/2006

PATENT APPLICATION: US/10/594,791

TIME: 11:01:27

Input Set : F:\837158_1.TXT

Output Set: N:\CRF4\10062006\J594791.raw

```

80 225          230          235          240
83 Arg Ser Arg Ser Arg Asn Ala Gly Lys Arg Ser Arg Ser Arg Ser Lys
84          245          250          255
87 Glu Lys Ser Ser Lys His Lys Asn Glu Ser Lys Glu Lys Ser Asn Lys
88          260          265          270
91 Arg Ser Arg Ser Gly Ser Gln Gly Arg Thr Asp Ser Val Glu Lys Ser
92          275          280          285
95 Lys Lys Arg Glu His Ser Pro Ser Lys Glu Lys Ser Arg Lys Arg Ser
96          290          295          300
99 Arg Ser Lys Glu Arg Ser His Lys Arg Asp His Ser Asp Ser Lys Asp
100 305          310          315          320
103 Gln Ser Asp Lys His Asp Arg Arg Arg Ser Gln Ser Ile Glu Gln Glu
104          325          330          335
107 Ser Gln Glu Lys Gln His Lys Asn Lys Asp Glu Thr Val
108          340          345

```

111 <210> SEQ ID NO: 2

112 <211> LENGTH: 2062

113 <212> TYPE: DNA

114 <213> ORGANISM: Homo sapiens

117 <220> FEATURE:

118 <221> NAME/KEY: misc_feature

119 <222> LOCATION: (2037)..(2037)

120 <223> OTHER INFORMATION: n is a, c, g, or t

122 <400> SEQUENCE: 2

```

123 acgcggggtt tccaattatt tgttcattta tttattttct acataactaa attagaaacc      60
125 tcactgcttc atggcagttg gtttgctatt gcttccagtt ttattagggc ttcattttat      120
127 attagagctg ttaaaagata accttttagac aggaattatc taaagtagac attttatatt      180
129 agagctgtta aaagataacc tttagacagg aattatctaa agtagatcat atgtagctag      240
131 gttatggtgc aaggtgtatg atgtgtgcaa atatgtccac agaaataaat acatagtagg      300
133 tatgtggaat gttaaatttaa gtcaatcgtt ccgcatagtt tagaaatgta aggggctttt      360
135 tcatattggt aactgagtga gatcagttcc ctttatgcct gtgaggctgc agggtttggt      420
137 ctcaattgca tgcacacact aagcccaaatt atttctgttc attcattgtc agatcaggat      480
139 atgaaaataa aattttttctg ttagtttttt ttgtattgag attccaaaga tggtaatatt      540
141 tttataatat tcatgtatat atggaaatac tttttttgac ggctagggtg tcttttggtg      600
143 ttctgtagga cctagatgtg aaggctggtg gaggtgtgtg aatgaccatt ggagaaatgc      660
145 tacgatcttt tctcacaata ctggagtggg tttctacctt gtttccaaga attccagttc      720
147 cagttcaaaa gaatattgat caacagatta aaaccgcacc tagaaaaatc aagaaagatg      780
149 ggaaggaagg tgctgaggaa atagacagac atgttgaacg cagacgttca aggtctccaa      840
151 ggagatctct gagtccacgg aggtcccaaa gaaggtcaag aagtagaagt catcatcggg      900
153 agggccatgg gtcttctagt tttgacagag aattagaaag agagaaagaa cgccagcgac      960
155 tagagcgtga agccaaagaa agggagaaag aacggcgaag atcccgaagt attgaccggg     1020
157 ggttagaacg caggcgcagc agaagtaggg aaaggcatag aagtcgcagt cgaagtcgtg     1080
159 ataggaaagg ggatagaagg gacagggatc gagaaagaga gaaagaaaat gagagaggta     1140
161 gaagacgaga tcgtgactat gataaggaaa gaggaatga acgagaaaaa gagagagagc     1200
163 gatcaagaga aaggtccaag gaacagagaa gtaggggaga ggtagaagag aagaaacata     1260
165 aagaagacaa agatgatagg cggcacagag atgacaaaag agattccaag aaagagaaaa     1320
167 aacacagtag aagcagaagc agagaaagga aacacagaag taggagtcga agtagaaatg     1380
169 cagggaacg aagtagaagt agaagcaaag agaaatcaag taaacataaa aatgaaagta     1440
171 aagaaaaatc aaataaacga agtcgaagtg gcagtcaagg aagaactgac agtggtgaaa     1500

```

RAW SEQUENCE LISTING

DATE: 10/06/2006

PATENT APPLICATION: US/10/594,791

TIME: 11:01:27

Input Set : F:\837158_1.TXT

Output Set: N:\CRF4\10062006\J594791.raw

```

173 aatcaaaaaa acggaacat agtcccagca aagaaaaatc tagaaagcgt agtagaagca 1560
175 aagaacgttc ccacaaacga gatcacagtg atagtaagga ccagtcagac aaacatgatc 1620
177 gtcgaaggag ccaaagtata gaacaagaga gccaaagaaa acagcataaa aacaaagatg 1680
179 agactgtgtg aaaatatttt gtaaaagtgg atcacattga atcctataaa tgattaaatc 1740
181 tgcttttttc ccccacgttg agattgtgca gtagttcgca ctctcaagc tctccctgta 1800
183 ggctgcattt tcatttcctc tttcgtgtag ggaagtgcct ttgtaattcc atttattgca 1860
185 ttggtgtttt cacccaattg ttaagtttga tacatgatgc acagattgtt cttgcatttt 1920
187 tattgtttgt ttttgaaatg tacagtctgt acatatgtcc tgaaaatgtt ttaattcctt 1980
W--> 189 tggcatgggt accatgttgg ttaaatttgt ataaggcaat aaactgccac taatccnaaa 2040
191 aaaaaaaaaa aaaaaaaaaa aa 2062
194 <210> SEQ ID NO: 3
195 <211> LENGTH: 1050
196 <212> TYPE: DNA
197 <213> ORGANISM: Homo sapiens
199 <400> SEQUENCE: 3
200 atgaccattg gagaaatgct acgatctttt ctcacaaaac tggagtgggt ttctaccttg 60
202 tttccaagaa ttccagttcc agttcaaaag aatattgatc aacagattaa aaccgcacct 120
204 agaaaaatca agaaagatgg gaaggaagggt gctgaggaaa tagacagaca tgttgaacgc 180
206 agacgttcaa ggtctccaag gagatctctg agtccacgga ggtccccaag aaggtcaaga 240
208 agtagaagtc atcatcgga gggccatggg tcttctagtt ttgacagaga attagaaaga 300
210 gagaaagaac gccagcgact agagcgtgaa gccaaagaaa gggagaaaga acggcgaaga 360
212 tcccgaagta ttgaccgggg gttagaacgc aggcgcagca gaagtaggga aaggcataga 420
214 agtcgcagtc gaagtcgtga taggaaaggg gatagaaggg acagggatcg agaaagagag 480
216 aaagaaaatg agagaggtag aagacgagat cgtgactatg ataaggaaag aggaaatgaa 540
218 cgagaaaaag agagagagcg atcaagagaa aggtccaagg aacagagaag taggggagag 600
220 gtagaagaga agaaacataa agaagacaaa gatgataggc ggcacagaga tgacaaaaga 660
222 gattccaaga aagagaaaaa acacagtaga agcagaagca gagaaaggaa acacagaagt 720
224 aggagtcgaa gtagaaatgc agggaaacga agtagaagta gaagcaaaga gaaatcaagt 780
226 aaacataaaa atgaaagtaa agaaaaatca aataaacgaa gtcgaagtgg cagtcaagga 840
228 agaactgaca gtgttgaaaa atcaaaaaaa cgggaacata gtcccagcaa agaaaaatct 900
230 agaaagcgta gtagaagcaa agaacgttcc cacaaacgag atcacagtga tagtaaggac 960
232 cagtcagaca aacatgatcg tcgaaggagc caaagtatag aacaagagag ccaagaaaaa 1020
234 cagcataaaa acaaagatga gactgtgtga 1050
237 <210> SEQ ID NO: 4
238 <211> LENGTH: 25
239 <212> TYPE: DNA
240 <213> ORGANISM: Homo sapiens
242 <400> SEQUENCE: 4
243 cggcgaagat cccgaagtat tgacc 25
246 <210> SEQ ID NO: 5
247 <211> LENGTH: 22
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial
251 <220> FEATURE:
252 <223> OTHER INFORMATION: T128 Primer 1 (Synthetic oligonucleotide primer)
254 <400> SEQUENCE: 5
255 gagagagcga tcaagagaaa gg 22
258 <210> SEQ ID NO: 6
259 <211> LENGTH: 20

```

RAW SEQUENCE LISTING

DATE: 10/06/2006

PATENT APPLICATION: US/10/594,791

TIME: 11:01:27

Input Set : F:\837158_1.TXT

Output Set: N:\CRF4\10062006\J594791.raw

```

260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial
263 <220> FEATURE:
264 <223> OTHER INFORMATION: T128 Primer 2 (Synthetic oligonucleotide primer)
266 <400> SEQUENCE: 6
267 atctctgtgc cgcctatcat                                20
270 <210> SEQ ID NO: 7
271 <211> LENGTH: 28
272 <212> TYPE: DNA
273 <213> ORGANISM: Artificial
275 <220> FEATURE:
276 <223> OTHER INFORMATION: 5' RACE gene specific primer (Synthetic oligonucleotide
primer)
278 <400> SEQUENCE: 7
279 tcttccttga ctgccacttc gacttcgt                        28
282 <210> SEQ ID NO: 8
283 <211> LENGTH: 25
284 <212> TYPE: DNA
285 <213> ORGANISM: Artificial
287 <220> FEATURE:
288 <223> OTHER INFORMATION: 3' RACE gene specific primer (Synthetic oligonucleotide
primer)
290 <400> SEQUENCE: 8
291 cggccaagat cccgaagtat tgacc                            25
294 <210> SEQ ID NO: 9
295 <211> LENGTH: 28
296 <212> TYPE: DNA
297 <213> ORGANISM: Artificial
299 <220> FEATURE:
300 <223> OTHER INFORMATION: 3' RACE gene specific nested primer (Synthetic
oligonucleotide
301 primer)
303 <400> SEQUENCE: 9
304 acgaagtcga agtggcagtc aaggaaga                        28

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/594,791

DATE: 10/06/2006
TIME: 11:01:28

Input Set : F:\837158_1.TXT
Output Set: N:\CRF4\10062006\J594791.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 2037

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:5,6,7,8,9

VERIFICATION SUMMARY

DATE: 10/06/2006

PATENT APPLICATION: US/10/594,791

TIME: 11:01:28

Input Set : F:\837158_1.TXT

Output Set: N:\CRF4\10062006\J594791.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1980